



Figure 2. Vertical aerial photograph of Girdwood Bar, summer, 1974.  
A, newly developed channel; B, gravel megaripples;  
C, bedrock outcrop.

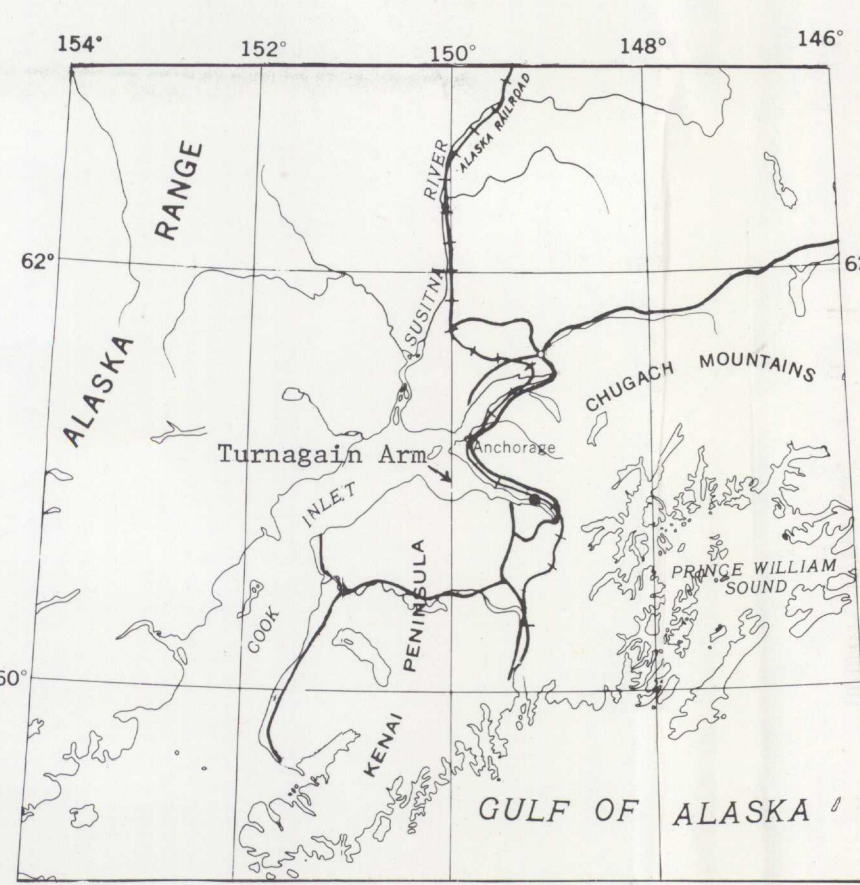


Figure 1. INDEX MAP OF THE COOK INLET REGION SHOWING THE LOCATION OF TURNAGAIN ARM. THE BLACK BOX INDICATES THE SITE OF GIRDWOOD BAR.



Figure 5. Photographs of gravel bedforms on Girdwood Bar. A, gravel megaripples; B, gravel "streaks."

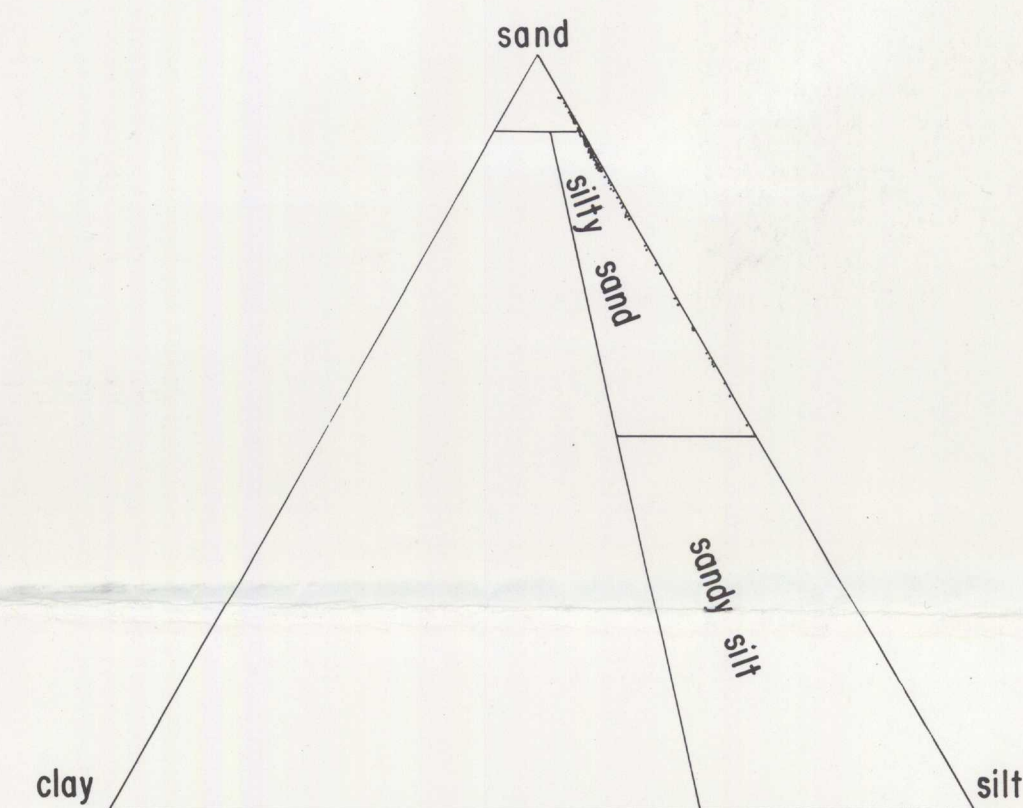


Figure 4. Ternary diagram of 77 analysed sediments from the Girdwood Bar (Size categories after Folk, 1954).

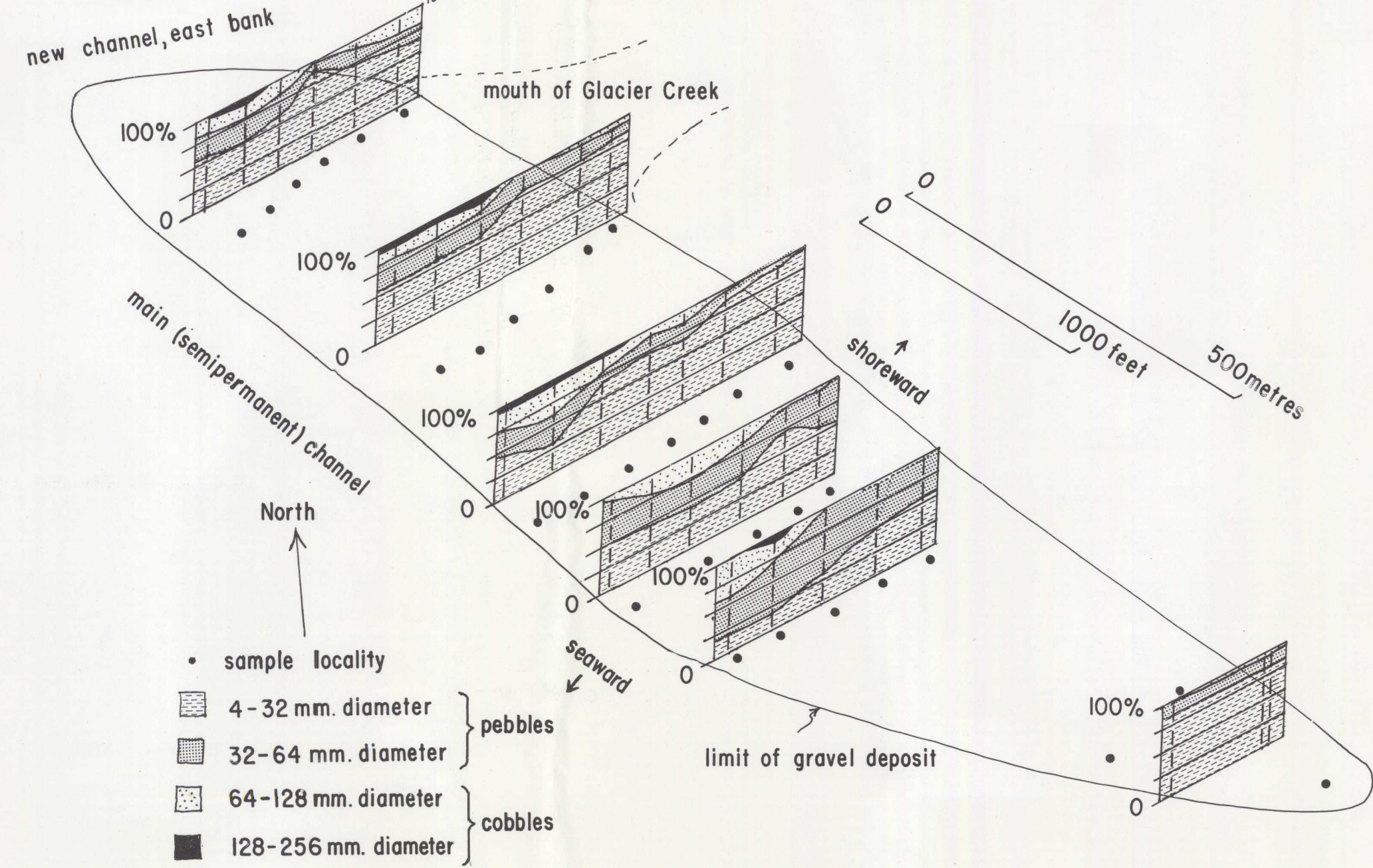


Figure 3. Size distribution of surficial gravel deposit on Girdwood Bar.

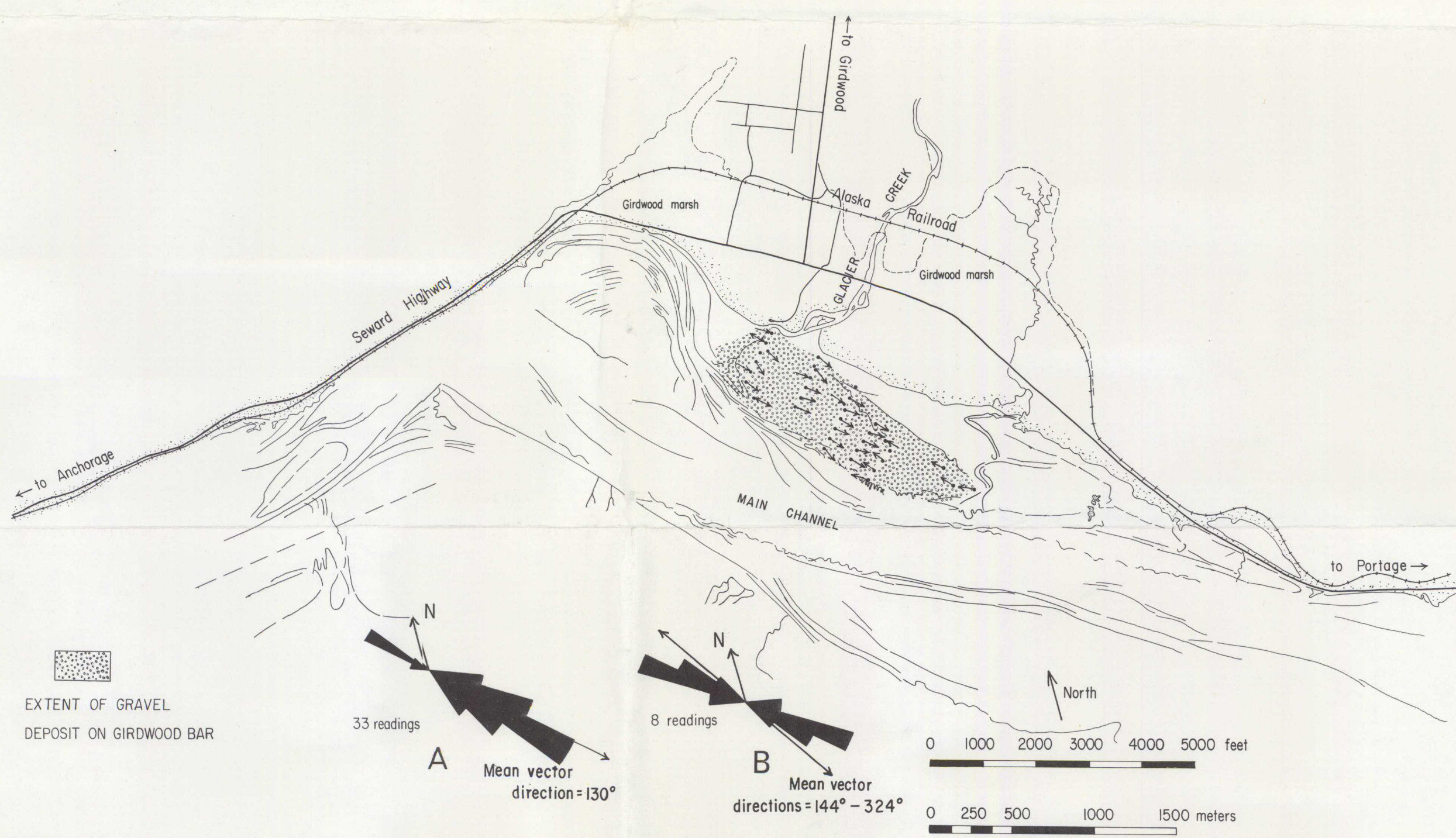


Figure 6. Locations and vector directions of gravel bedforms on Girdwood Bar. Rose diagrams of readings taken on pebble imbrications (A), and gravel streaks (B), include mean vector directions (Pincus, 1956).



Figure 11A. Radiograph showing detailed structure from the shoreward facies.



Figure 11B. Radiograph showing detailed structure from the seaward facies.



Figure 14. Winter ice cover on the Girdwood Bar.

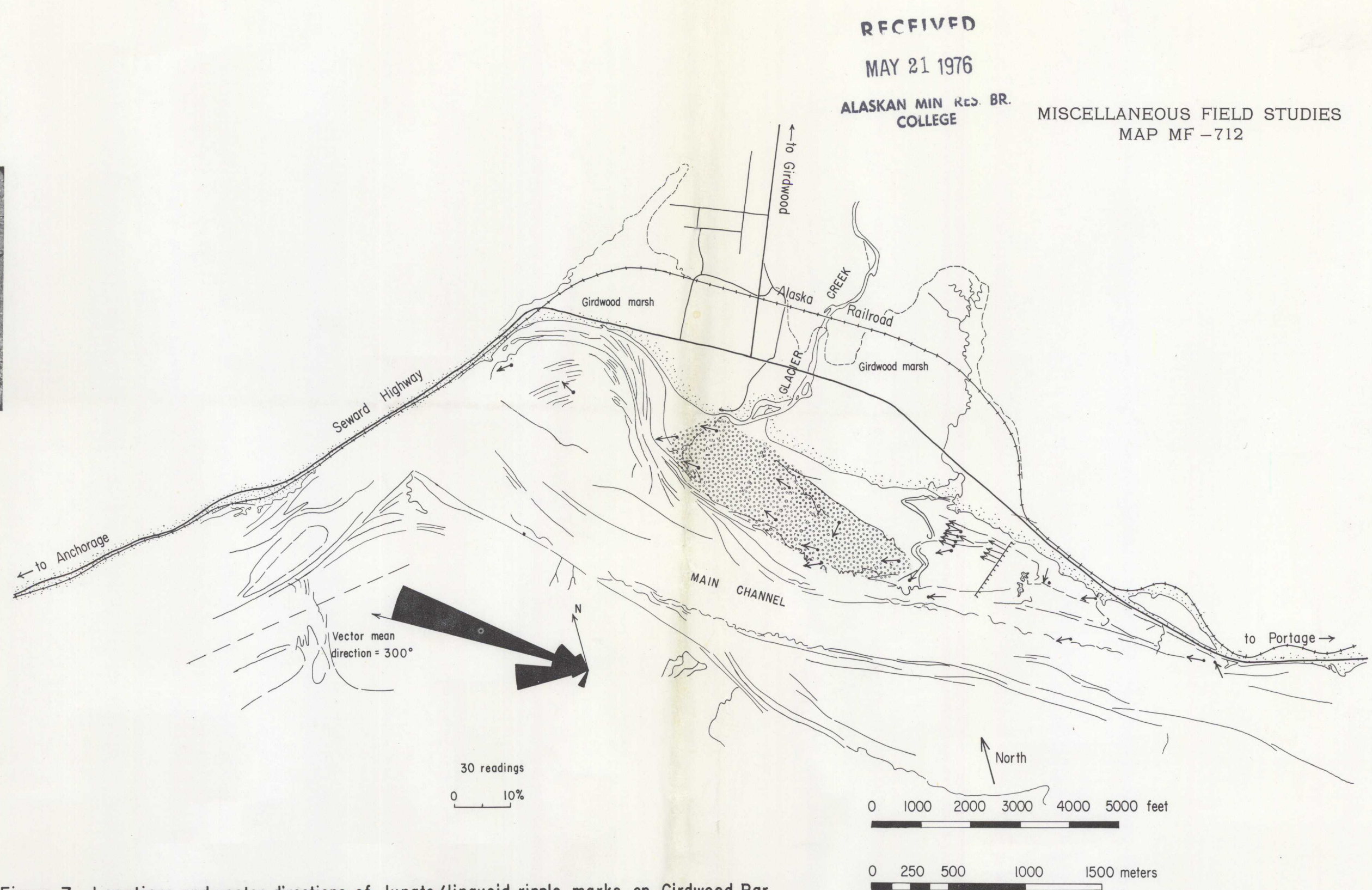


Figure 7. Locations and vector directions of lunate/linguoid ripple marks on Girdwood Bar.

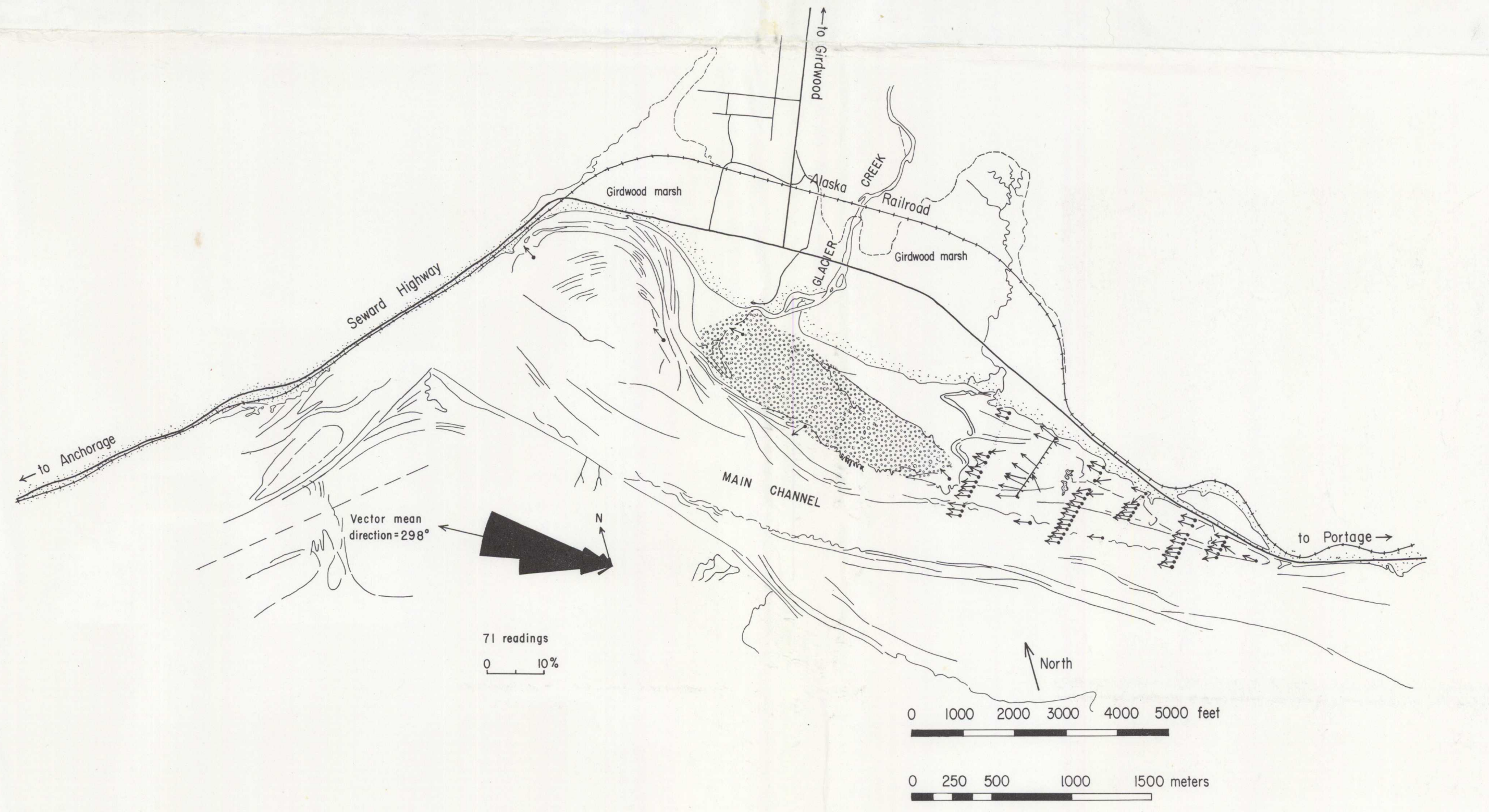


Figure 8. Locations and vector directions of straight-crested/sinuuous ripple marks on Girdwood Bar.

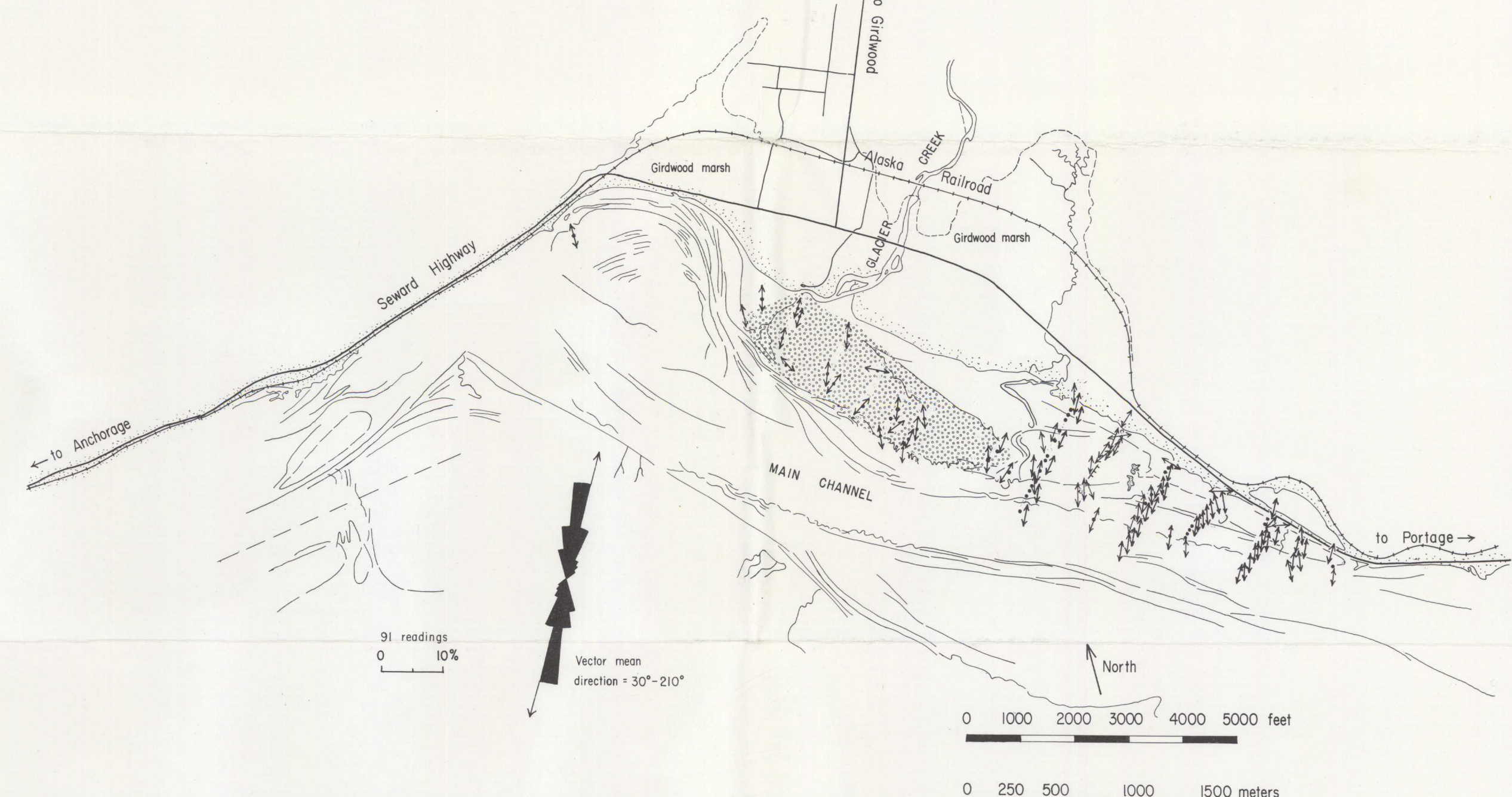


Figure 9. Locations and vector directions of wind-wave ripple marks on Girdwood Bar.

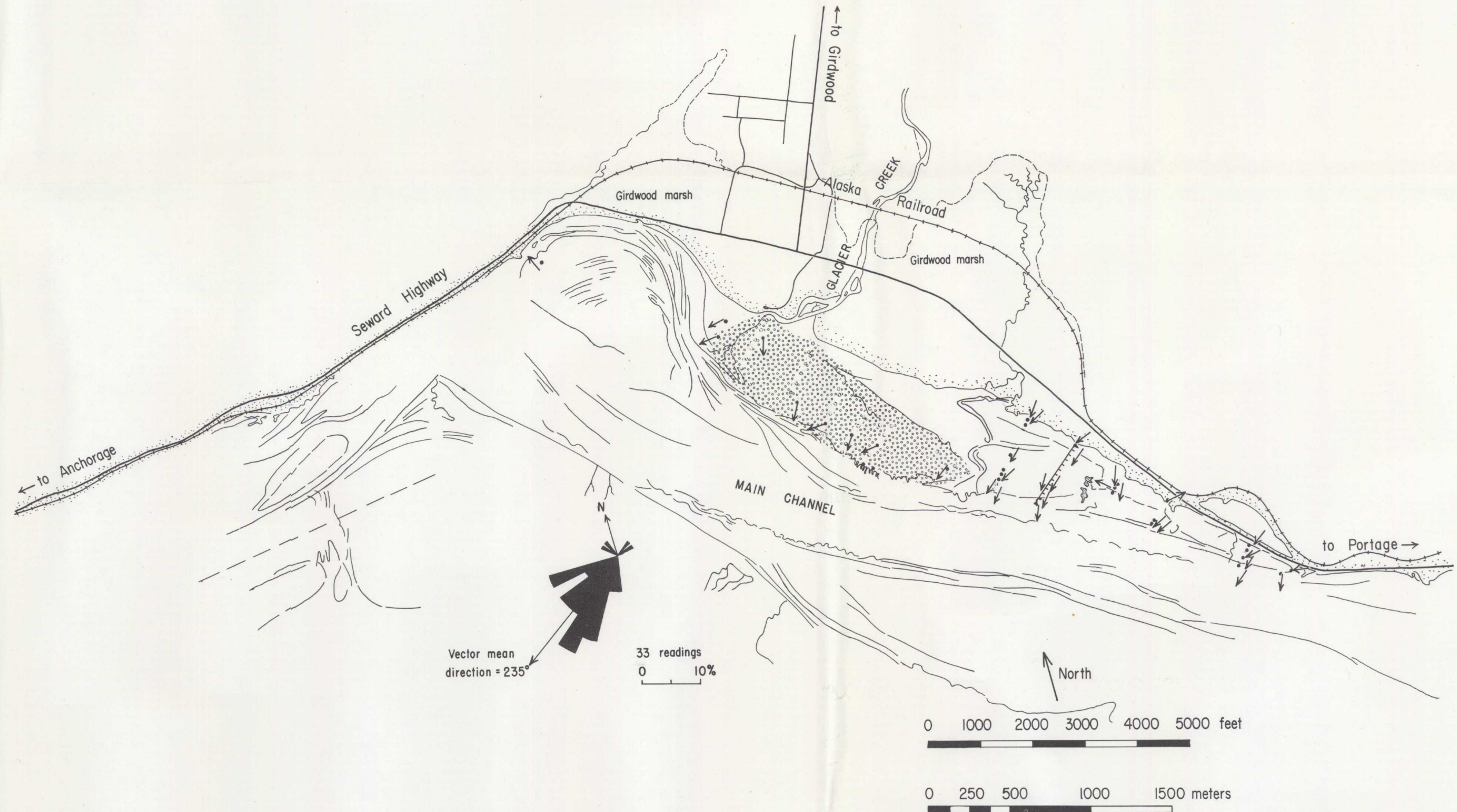


Figure 10. Locations and vector directions of runoff features on Girdwood Bar.

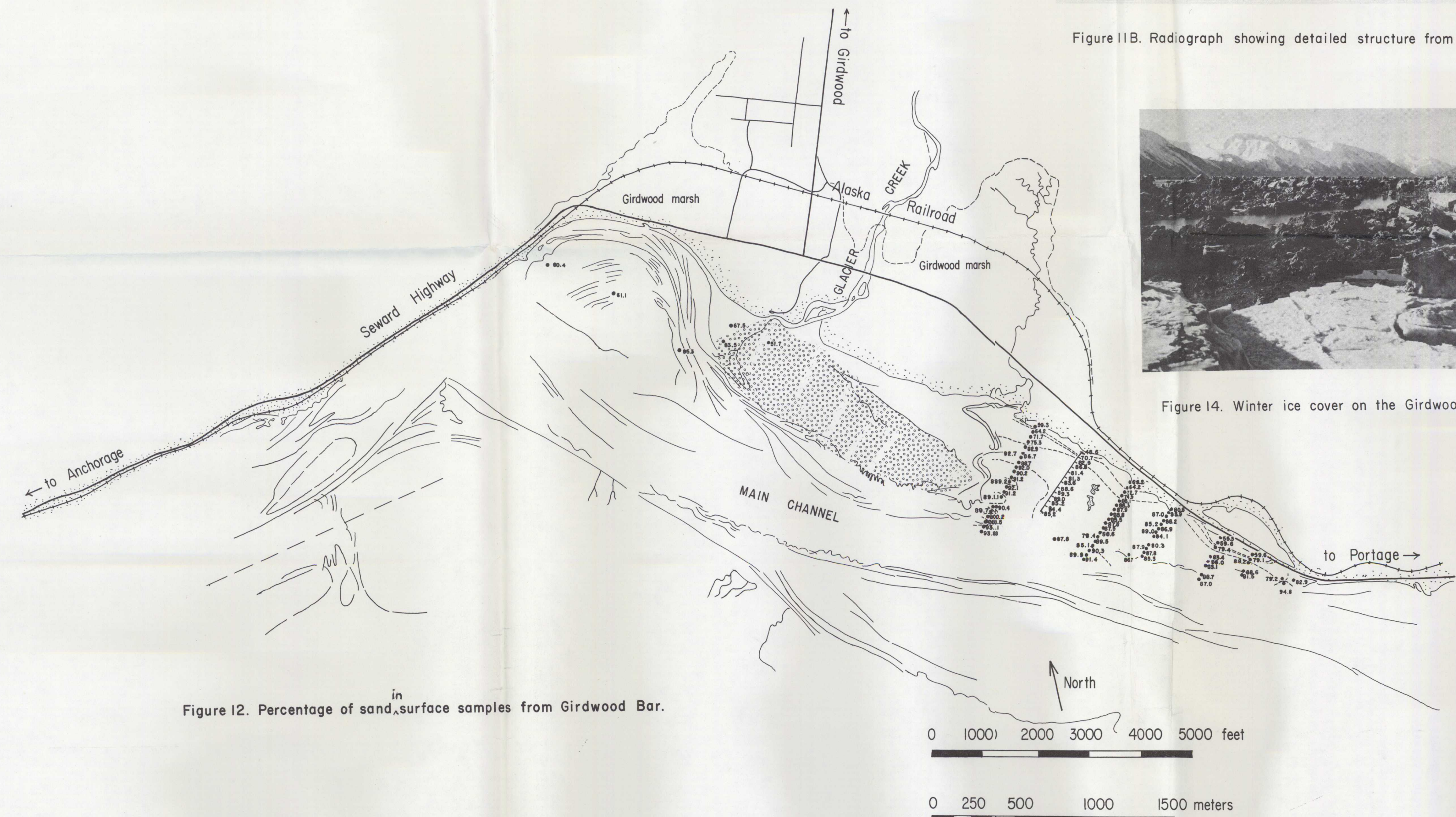


Figure 12. Percentage of sand, surface samples from Girdwood Bar.

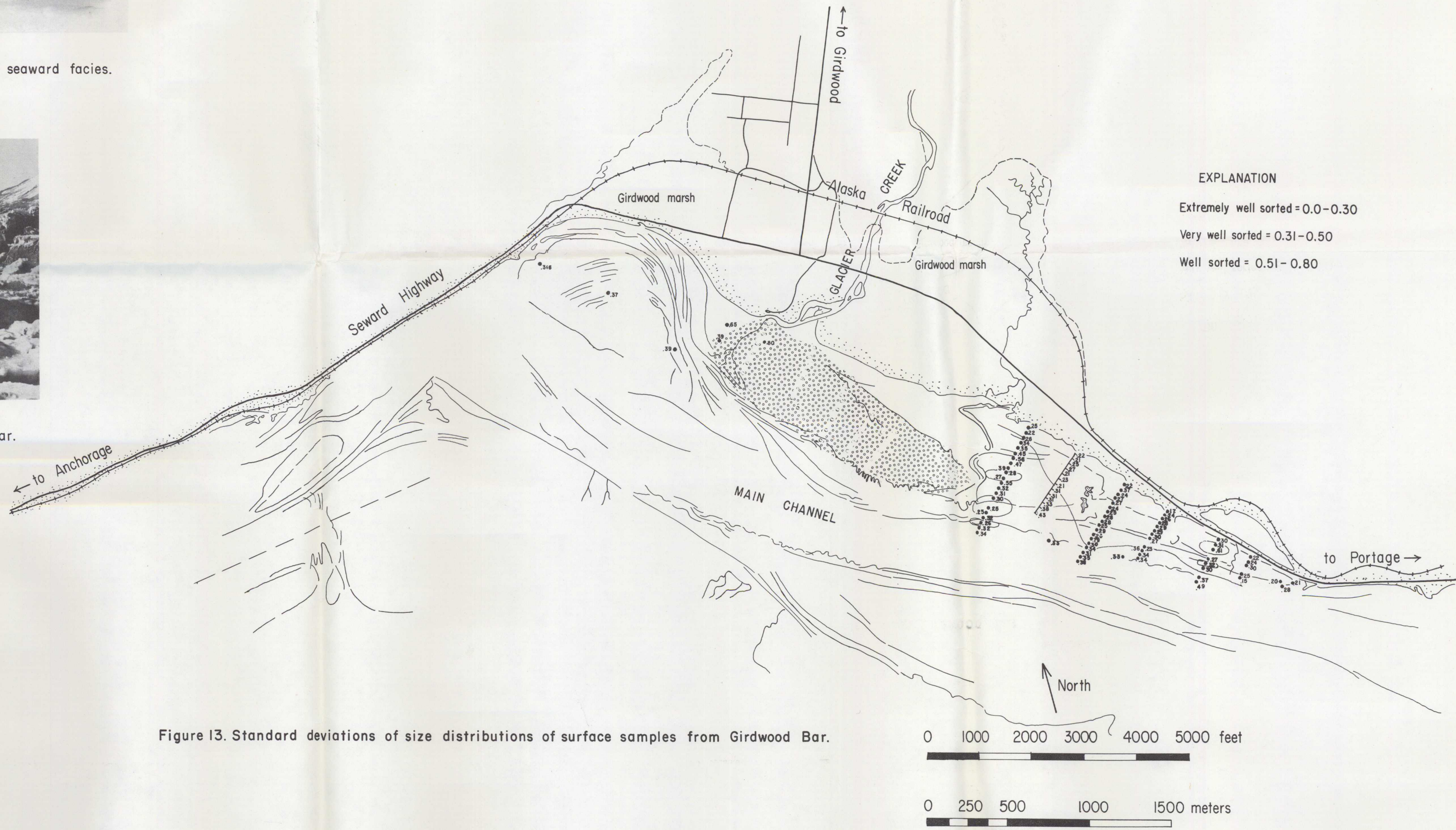


Figure 13. Standard deviations of size distributions of surface samples from Girdwood Bar.

## SEDIMENTOLOGICAL MAPS OF THE GIRDWOOD BAR, TURNAGAIN ARM, ALASKA FOR JULY-AUGUST 1974

by

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